



SEQUENCE LISTING

<110> Gene-IT
<120> Systems and Methods for Sequence Comparison
<130> GIO-00101
<140> US 10/723,522
<141> 2003-11-26
<150> US 60/429,965
<151> 2002-11-29
<160> 2
<170> PatentIn version 3.2
<210> 1
<211> 203
<212> PRT
<213> Bos taurus
<400> 1

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Thr | Pro | Pro | Gly | Arg | Ser | Leu | Pro | Pro | Ser | Val | Gln | His | Pro | Pro | |
| 1 | | | | 5 | | | | 10 | | | | | 15 | | | |
| Leu | Leu | Leu | Leu | Gly | Leu | Leu | Leu | Pro | Met | Pro | Leu | Glu | Ala | Gln | Gly | |
| | | | 20 | | | | | 25 | | | | | 30 | | | |
| Leu | Arg | Gly | Ile | Gly | Leu | Thr | Pro | Ser | Ala | Ala | Gln | Pro | Ala | His | Gln | |
| | | 35 | | | | | 40 | | | | | 45 | | | | |
| Gln | Leu | Pro | Thr | Pro | Phe | Thr | Arg | Gly | Thr | Leu | Lys | Pro | Ala | Ala | His | |
| | 50 | | | | | 55 | | | | 60 | | | | | | |
| Leu | Val | Gly | Asp | Pro | Ser | Asn | Pro | Arg | Thr | Leu | Thr | Leu | Arg | Ala | Asn | |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 | |
| Thr | Asp | Arg | Ala | Phe | Leu | Pro | Thr | Ala | Phe | Ser | Leu | Ser | Asn | Asn | Ser | |
| | | | | 85 | | | | | 90 | | | | | 95 | | |
| Leu | Leu | Val | Pro | Thr | Ser | Gly | Leu | Tyr | Phe | Val | Tyr | Ser | Gln | Val | Val | |
| | | | 100 | | | | | 105 | | | | | 110 | | | |
| Phe | Ser | Gly | Arg | Gly | Cys | Phe | Pro | Arg | Ala | Thr | Pro | Thr | Pro | Leu | Tyr | |
| | | 115 | | | | | 120 | | | | | 125 | | | | |
| Leu | Ala | His | Glu | Val | Gln | Leu | Phe | Ser | Pro | Gln | Tyr | Pro | Phe | His | Val | |
| | 130 | | | | | 135 | | | | | 140 | | | | | |
| Pro | Leu | Leu | Ser | Ala | Gln | Lys | Ser | Val | Cys | Pro | Gly | Pro | Gln | Gly | Arg | |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 | |
| Trp | Val | Arg | Ser | Val | Tyr | Gln | Gly | Ala | Val | Phe | Leu | Leu | Thr | Arg | Gly | |
| | | | | 165 | | | | | 170 | | | | | 175 | | |

Asp Gln Leu Ser Thr His Thr Asp Gly Ile Ser His Leu Leu Leu Ser
 180 185 190

Pro Ser Ser Val Phe Phe Gly Ala Phe Ala Leu
 195 200

<210> 2
 <211> 204
 <212> PRT
 <213> Bos taurus

<400> 2

Met Thr Pro Pro Gly Arg Leu Tyr Leu Leu Arg Val Cys Ser Thr Pro
 1 5 10 15

Pro Leu Leu Leu Leu Gly Leu Leu Leu Ala Leu Pro Leu Glu Ala Gln
 20 25 30

Gly Leu Arg Gly Ile Gly Leu Thr Pro Ser Ala Ala Gln Pro Ala His
 35 40 45

Gln Gln Leu Pro Thr Pro Phe Thr Arg Gly Thr Leu Lys Pro Ala Ala
 50 55 60

His Leu Val Gly Asp Pro Ser Thr Gln Asp Ser Leu Arg Trp Arg Ala
 65 70 75 80

Asn Thr Asp Arg Ala Phe Leu Arg His Gly Phe Ser Leu Ser Asn Asn
 85 90 95

Ser Leu Leu Val Pro Thr Ser Gly Leu Tyr Phe Val Tyr Ser Gln Val
 100 105 110

Val Phe Ser Gly Arg Gly Cys Phe Pro Arg Ala Thr Pro Thr Pro Leu
 115 120 125

Tyr Leu Ala His Glu Val Gln Leu Phe Ser Pro Gln Tyr Pro Phe His
 130 135 140

Val Pro Leu Leu Ser Ala Gln Lys Ser Val Cys Pro Gly Pro Gln Gly
 145 150 155 160

Pro Trp Val Arg Ser Val Tyr Gln Gly Ala Val Phe Leu Leu Thr Arg
 165 170 175

Gly Asp Gln Leu Ser Thr His Thr Asp Gly Ile Ser His Leu Leu Leu
 180 185 190

Ser Pro Ser Ser Val Phe Phe Gly Ala Phe Ala Leu
 195 200